SUBJECT INDEX TO VOLUME 44

Alaska, glacial outwash gravels 374
Alaska, Gulf of, sand-silt petrology and dispersal 1061
Alaska, Yukon River, Sediments in Bering Sea 1052
Algal mounds, Indiana 1249
Algal structures, tidal 532
Algae, carbonate cementation in nodules 7
Algae, non-calcareous, Indiana 1248
Algeria, Berthierine pellets, Cretaceous 1275
Alluvial sediments, late Precambrian 862
Alluvial sediments, New Red Sandstone 336
Altamaha Estuary, hydraulics and sedimentation 502
Anhydrite nodules, chert replacement 885
Antarctic deep-sea, sediments, composition ... 1079
Apennines, Mesozoic Carbonates 774
Apostle Islands, Wisconsin, Beach characteristics 190
Aragonite, in calcite caliche, Persian Gulf 904
Arctic bedforms, strudel marks 409
Argentina, geotechnical properties of Golfo San Matias Sediments 649
Arkansas, Flysch deposits 328
Arkose, weathering 727
Atlantic Ocean Hatteras deep-sea fan 1140
Atlantic Ocean Microborings in Southeastern U. S. margin sediments 1122
Atlantic Ocean, suspended matter, surface waters 1087

Bahama Islands, grapestone 921
Bardawil lagoon, Sinai, interstitial water chemistry 1296
Bathymetry, sand shoals, Florida 1037
Beaches, callianassid Burrows in old trend, Mississippi 1136
Beaches, packing of shells, gravel 680
Beaches, sediment transport measurement 1306
Beaches, sedimentology, Wisconsin 190
Beach rock 693
Bedforms, bays and estuaries 698
Bedforms, classification 181
Bedforms, positive-relief in tidal flats 181
Bering Sea, shelf sediments 553
Bering Sea, Yukon River contribution 1052
Biochemical carbonate precipitation 7
Biogenic effects, gastropods 695
Biogenic structures, methods for measurement 549
Birds, influence on shells 689
Birdseye structures, Cambrian 1251
Blue Ridge Province, alluvial sedimentation, Late Precambrian 862
Boring sponges, production of fine carbonate . 79
Braided river structures, discussion 265
Bulk density, marine silts and clays 1004
Bulk density, nuclear transmission densitometry 1010
Burrows, marshes and lagoons 538
Calcite, cement in conglomerates 917
Calcite, high magnesian, Persian Gulf 904
Calcite, magnesian 54
Calcite, Tyrrhenian Sea 955
Calcitic nodules, Jordan Sandstone 790
Calcite, origin 1016
Calcite, variations in strength and porosity ... 1016
Caliche, Persian Gulf 904
California, Franciscan geosynclinal deposits .. 591
California, Franciscan Limestones 1217
California, glauconite in Monterey Bay 562
California, Santa Ana River Sediments 1072
Callianassa, burrows in Mississippi delta plain 1136
Cambrian, banded limestones 1251
Cambrian, Chilhowee Group 228
Cambrian, flysch conglomerates 826
Canada, bedforms in Kouchibouguac Bay 698
Canada, Flysch conglomerates, Quebec 826
Canada, morphology of Wreck Bay, Vancouver Island 1155
Canada, Sokoman Iron Formation 299
Cap Enrage Formation, Quebec 1200
Cape Ann, Massachusetts, coastal processes .. 522
Cape San Blas, bathymetry and sedimentation . 1037
Carbonate cementation, coralline algae nodules 7
Carbonate pseudopellets, origin 27
Carbonates, algal stromatolites 532
Carbonates, beachrock 693
Carbonates, Birdseye structures, Cambrian ... 1251
Carbonates, calcite cement in conglomerates .. 917
Carbonates, calcite pore filling 428
Carbonates, caliche, Persian Gulf 904
Carbonates, cementation, Lake Valley Formation 837
Carbonates, dedolomitization, discussion 270
Carbonates, deep-sea magnesian calcite, Tyrrhenian Sea 1313
Carbonates, echinoids 60
Carbonates, effect of magnesium and salinity .. 40
Carbonates, fine material from boring action .. 79
Carbonates, grapestone 921
Carbonates, Green River Formation 738
Carbonates, Holocene marls 456

Carbonates, limestone facies, dolostones, insoluble residues 450
Carbonates, lithification 947
Carbonates, method for analysis 589
Carbonates, methods for organic and carbonate content 242
Carbonates, mud mounds, Indiana 1248
Carbonates, paleokarst 1232
Carbonates, Pleistocene, lithification of 70
Carbonates, Scotland 806
Carbonates, submarine cementation 816
Carbonates, Tyrrhenian Sea 955
Carboniferous, carbonates, St. Monance, Scotland 806
Carboniferous, paleokarst, England 1232
Cementation, calcite pore filling 428
Cementation, carbonate 837
Cementation, carbonate fanglomerates 85
Cementation, carbonate in algae 7
Cementation, pressure solution 466
Cementation, quartz, influence of coatings 1269
Cenozoic, climates, from deep-sea sediments .. 1079
Chalcedony, replacement of fossils 421
Chemical alteration, lithification 123
Chert, early diagenetic 1262
Chert, Pennsylvanian, Texas 1262
Chert, replacement of anhydrite 885
Chert, replacements of fossils 421
Chesapeake Bay, river fill 390
Chilhowee Group, Cambrian, Tennessee 228
Cimarron River, directional features 1114
Citations, Journal of Sedimentary Petrology papers 3
Classification, orthoquartzite 264
Clay mineralogy, diagenesis 441
Clay minerals, montmorillonite in suspended matter 254
Clay minerals, Santa Ana River Drainage 1072
Clays, changes in Antarctic deep-sea sediments 1079
Clays, Santa Ana River 1072
Clays, water content and bulk density 1004
Climates, from deep-sea sediment properties .. 1079
Cliona, boring action on sediments 1122
Coarse sediments, method for measurement .. 931
Coarse sediments, method for size measurement 939
Coarse sediment morphometry 663
Coastal processes, Massachusetts 522
Coatings, influence on quartz cementation 1269
Color, Difunta Group 760
Colorado, Cutler Formation petrology 292
Composition, Atlantic surface water suspended matter 1087
Compaction, sands in tidal flats 1024
Conglomerates, Cap Enrage Formation 1200
Conglomerates, cementation 917
Conglomerates, depositional environment 1186
Conglomerates, Pottsville Formation 1186
Conglomerates, transport of resedimented conglomerates 1200
Corer, pogo-stick 936
Crabs, structures in lagoon and marsh sediments 538
Cretaceous, Berthierine pellets, Algeria 1275
Cretaceous, Difunta Group, Color 760
Cretaceous, weathering effects on sands 363
Cross-stratification, centroclinal type 1111
Cross-stratification, ripples in silts 472
Cross-stratification, River sediments, discussion 265
Cross-stratification, types in fluvial sediments 158
Crystallization of carbonate 40
Cutler Formation, petrology 292
Cyclic Sedimentation 795
Cyclic Sedimentation, Precambrian, Minnesota 872

Dedolomitization, discussion 270
Delaware estuary, river fill 390
Deltaic sediments, Callianassid burrows 1136
Densitometry, nuclear transmission 1010
Density currents, super critical flow 637
Depositional cycle, Pennsylvanian 795
Derbyshire, England, paleokarst 1232
Detrital tracers, natural quartz grains 145
Diagenesis, chemical alteration of sediments to rock 123
Diagenesis, Franciscan limestones 1217
Diagenesis, glauconite 562
Diagenesis, interstitial water changes, lagoon sediments 1296
Diagenesis, sands, Cretaceous 363
Diagenesis, soil-sea interactions 441
Difunta Group, Colors, Mexico 760
Dip direction, method 935
Directional features, Braided stream 1114
Dish structures 484
Dolomites, Triassic, Nevada 783
Dolomitic limestones 54
Dolomitization 421, 450
Dolostones 450
Dublin Bay, compaction of intertidal sands ... 1024

Echinoids, magnesium content 60
Egypt, Nubia Sandstone, grain-size 136
Egypt, Salum area, carbonate lithification 70
Engineering properties, bulk density 1010
Engineering properties, bulk density and water content in marine silts and clays 1004
Engineering properties, calcrete 1016
Engineering properties, Golfo San Matias 649
England, paleokarst 1232
Environments, lagoons 219
Environments, Sokoman Iron Formation 299
Eocene, Green River Formation, petrology ... 738
Estuaries, bedforms and bars 698
Estuaries, dynamics 502
Estuaries, river fill mineralogy 390

Estuarine sediments 502
Expansible soils, interaction with sea water .. 441

Facies, carbonates, Scotland 806
Facies, cyclic deposits 872
Facies, limestone 450
Facies, Sokoman Iron Formation 299
Facies, supratidal carbonates 783
Facies analysis, use of strontium 93
Fanglomerate, carbonate, Guadalupe Mountains 85
Fans, gravel, outwash, Alaska 374
Fine grained carbonate from boring sponges .. 79
First cycle sands, surface textures 151
Florida, algal structures 532
Florida, Cape San Blas shoal 1037
Florida, orientation of oyster shells 116
Flutes and grooves, tidal flats 181
Fluvial sediments, cross-stratification types ... 158
Flysch, conglomerates, structures 826
Flysch, Franciscan 591
Flysch, paleocurrents, South Georgia Island .. 1166
Flysch, Stanley Formation, Ouachita Mountains 328
Folk-Ward textural parameters 259
Foreshore, beaches, morphology and sedimentology 190
Fossils, replacement by length-slow chalcedony 421
Franciscan, geosynclinal deposits 591
Franciscan limestones, petrography and diagenesis 1217

Gaspé, Cap Enrage Formation 1200
Gastropods, trails on muds 695
Geochemistry, calcite pore filling 428
Geochemistry, changes in interstitial waters, lagoon sediments 1296
Geochemistry, influence of coatings on cementation of quartz 1269
Geochemistry, soil-sea water interactions 441
Geochemistry, use of strontium in facies analysis 93
Geodes, silicification processes 885
George, Altamaha Estuary, sediments 502
Georgia, peats, Okefenokee swamp 716
Geosynclinal deposits, Franciscan 591
Geotechnical properties, marine sediments 649
Geotechnical properties, marine silts and clays 1004
Geotechnology, use of nuclear transmission densitometry 1010
Glacial sediments, Malaspina Glacier 374
Glacial sediments, strudel marks, Arctic 409
Glauconite, Monterey Bay 562
Golfo San Matías, engineering properties of sediments 649
Grain orientation, beaches 680
Grain orientation, effect of binds 689
Grain orientation, magnetic fabric 655
Grain packing, beaches 680
Grain shape 572
Grain shape, analysis 145
Grain shape, comparative study 663
Grain shape, method for coarse grains 931
Grain shape, sphericity 578
Grain size, calculation of Folk-Ward skewness 259
Grain size, deficiency of some sizes 985
Grain size, Nubia Sandstone 136
Grain size, of sand waves 1029
Grain size, settling tube methods 583
Grain size, suspended matter in streams 673
Grapestone, Bahamas 921
Gravels, glacial outwash, Alaska 374
Great Basin, banded carbonates 1251
Great Lakes, Lake Ontario, Sand dispersal ... 705
Great Lakes, sedimentation rates and sedimentary history 207
Great Salt Lake, Utah, ooids 30
Green River Formation, carbonate petrology .. 738
Guadalupe Mountains, Pleistocene carbonates . 85
Gulf of Alaska, sand-silt petrology, dispersal . 1061

Heavy minerals, Bering Sea Shelf 553
Heavy minerals, method 260
Heavy minerals, surface textures 1281
Hematitic nodules, Jordan Sandstone 790
Holocene, marls 456
Holocene river fill, mineralogy and palynology 390
Hudson Estuary, river fill 390
Hudson Submarine Canyon, bioreworking of sediments 549

Indiana, algal mounds 1248
Insoluble residues 450
Iowa, Jordan Sandstone petrology 790
Ireland, compaction of intertidal sands 1024
Israel, calcrete, properties 1016
Israel, carbonate lithification 947
Israel, surface textures of heavy minerals 1281
Italy, Lima Valley carbonates 774

Jordan Sandstone, Nodules, Iowa 790
Journal of Sedimentary Petrology, citations of papers in 3

Karst, paleokarst, England 1232
Kouchibouguac Bay, New Brunswick, bedforms and bars 698

Lagoons, burrows by crabs 538
Lagoons, interstitial water chemistry, Bardawil Lagoon 1296
Lagoons, sediments of Bardawil lagoon, Sinai 219
Lake Erie, sedimentary history 207
Lake Huron, sedimentary history 207
Lake Ontario, sand dispersal 705
Lake Ontario, sedimentary history 207

Lake sediments, sand dispersal 705
Lake sediments, silts, structures 472
Lake Valley Formation, carbonate cementation 837
Lakes, sedimentary history, Great Lakes 207
Lima Valley, Apennines, Manganese in carbonates 774
Limestones, banded, massive 1251
Limestones, cementation 428
Limestones, dolomitic 54
Limestones, facies in Carboniferous, Scotland 806
Limestones, insoluble residues, dolomitization . 450
Limestones, lithification 947
Limestones, paleokarst 1232
Limestones, petrography and diagenesis 1217
Limestones, solution, cementation 466
Limestones, volume reduction by solution 466
Lithification 123
Lithification of carbonates 70

Magnesian calcite nucleation 54
Magnesian calcite, Tyrrhenian Sea 955
Magnesium, effect of on carbonate crystallization 40
Magnesium, in living and fossil echinoids 60
Magnetic fabric, deep-sea sediments 655
Malaspina Glacier, outwash 374
Manganese, carbonates, Mesozoic, Apennines . 774
Marble Falls Group, diagenetic chert 1262
Marine sediments, Bering Sea Shelf, heavy minerals 553
Marine sediments, deep-sea magnesian calcite . 1313
Marine sediments, geomagnetic properties 655
Marine sediments, organic matter 1310
Marine sediments, water content and bulk density 1004
Marls, Holocene 456
Marshes, biogenic structures 538
Massachusetts, coastal processes 522
Mechum River Formation, alluvial sedimentation 862
Mediterranean, surface textures on heavy minerals 1281
Mediterranean Sea, Tyrrhenian Sea, carbonates 955
Mediterranean Sea, Tyrrhenian Sea, deep-sea carbonates 1313
Mesozoic, manganese in carbonates 774
Methods, bulk density and water content by nuclear transmission densitometry 1010
Methods, Camera lucida for labelling of negatives 262
Methods, carbonate content 589
Methods, clay mineralogy of small suspended matter samples 254
Methods, Coulter counters, suspended matter .. 673
Methods, dip direction indicators 935
Methods, grain shape 663
Methods, grain sphericity 578
Methods, grain size comparisons 1029
Methods, heavy mineral separation 260
Methods, organics in carbonates 242
Methods, organic, comparison 242
Methods, organic, content of sediments 249
Methods, paleocurrent directions 1174
Methods, paleocurrents 1166
Methods, photographic measurement of bioreworking in submarine canyons 549
Methods, photomicrograph negative labels 262
Methods, planimetric shapes of bays 1155
Methods, pogo-stick corer 936
Methods, roundness, grain shape 572
Methods, staining organic matter in sediments 1310
Methods, sediment corer 928
Methods, settling tube 583
Methods, size of coarse sediments 939
Methods, strain gage as a means of measuring beach sediment changes 1305
Methods, visual estimator for coarse sediments 931
Mexico, Difunta Group, colors 760
Microborers, sponges 79
Mineralogy, Gulf of Alaska 1061
Mineralogy, river fill, estuaries 390
Mineralogy, weathering effects 363
Minnesota, Shakopee Formation, overgrowths on quartz 358
Minnesota, Solar Church Formation, cyclic deposition 872
Mississippi River, burrows of sediments 1136
Mississippian, Lake Valley Formation, carbonate cementation 837
Mississippian, Stanley Formation 328
Monterey Bay, glauconite 562
Montmorillonite, in suspended matter 254
Morphology, Beaches, Wisconsin 190
Morphology, Hatteras Deep-sea Fan 1140
Morphology, Wreck Bay, Vancouver Island .. 1155
Mud cracks, pattern controlled by snails 695

Nari, calcrete, Israel 1016
Nebraska, lake silts 472
Nevada, supratidal facies 783
New Mexico, carbonate stratigraphy 837
New Mexico, Guadalupe Mountains, Pleistocene carbonates 85
New Red Sandstone, environments 336
Nodules, calcitic and hematitic 790
Nodules, algal, carbonate cement 7
Nodules, replacement of anhydrite by chert .. 885
North Carolina, lagoon and marsh biogenic structures 538
North Sea, Skagenak, carbonate cementation in algal nodules 7
Nubia Sandstone, grain size, paleoenvironments 136

Ohio, Sharon conglomerate 1186

Oklahoma, Flysch deposits 328
Oklahoma, stream deposits 1114
Okefenokee swamp, peats 716
Ooids, analog of marine ooid genesis 30
Ooids, Great Salt Lake, Utah 30
Ordovician, Shakopee Formation, textures 358
Ordovician, volcanic sediments 287
Organic carbon, method 249
Organic matter, in calcareous sediments 242
Organic matter, methods for determination in sediments 1310
Organics in beach rock 693
Orientation, vertical, in Florida oyster reefs .. 116
Origin of carbonate pseudopellets 27
Origin, of ooids, Great Salt Lake, Utah 30
Orthoquartzite, discussion 264
Ouachita Mountains, Stanley Formation 328
Oyster reefs, orientation of shells 116

Paleocene, Difunta Group, color 760
Paleocurrent indicators, cross-stratification in fluvial rocks 158
Paleocurrents, alluvial sediments 1174
Paleocurrents, Cap Enrage Formation 1200
Paleocurrents, centro-clinal cross strata 1111
Paleocurrents, flysch deposits, South Georgia Island 1166
Paleocurrents, Sharon Conglomerate 1186
Paleocurrents, variations in vectors 1174
Paleoecology, peats, Okefenokee Swamp 716
Paleoenvironments, Nubia Sandstone 136
Paleoenvironments, oscillatory ripple marks .. 169
Palynology, river fill, estuaries, Pleistocene .. 390
Peats, Holocene, Georgia 716
Pellets, Berthierine, Cretaceous 1275
Pellets, metamorphosed, Algeria 1275
Pellets, pseudo, carbonates 27
Pennsylvanian, cherts, Texas 1263
Pennsylvanian, Cutler Formation, petrology .. 292
Pennsylvanian, depositional cycle 795
Permian, Cutler Formation, petrology, Colorado, Utah 292
Permian, Persian Gulf analogs 904
Permo-Triassic, New Red Sandstone 336
Persian Gulf, caliche 904
Petrology, carbonates, Green River Formation 738
Petrology, Chilhowee Group, Tennessee 228
Petrology, Cretaceous sands 363
Petrology, Cutler Formation, Utah 292
Petrology, Franciscan Limestones 1217
Petrology, Jordan Sandstone nodules 790
Petrology, sand-silt Gulf of Alaska 1061
Petrology, transformation of sediments into rock 123
Photography, measuring bioturbation 549
Pillar structures 484
Pleistocene carbonates, Guadalupe Mountains . 85
Pleistocene carbonates, lithification of 70
Pleistocene, cementation of conglomerates ... 917
Pleistocene, lake silts, sedimentary structures . 472
Pleistocene, marls 456
Pleistocene, river fill, Hudson, Delaware and Chesapeake Estuaries 390
Pornographic geology 260
Porosity, of calcrete 1016
Pottsville Formation, Sharon Conglomerate, Ohio 1186
Precambrian, alluvium in Blue Ridge province 862
Precambrian, cyclic sedimentation 872
Precambrian, Sokoman Iron Formation 299
Pseudopellets, origin 27

Quartz, cementation 1269
Quartz, geodes, replacement of anhydrite 885
Quartz, overgrowths, Shakopee Formation ... 358
Quartz, surface textures of grains 151
Quartz, use as a natural tracer 145
Quartzite, terminology 264
Quebec, Appalachians, resedimented conglomerates 826
Quebec, Cap Enrage Formation 1200
Quebec, Sokoman Iron Formation 299

Rain drop impressions 1118
Red Sea, submarine sedimentation 816
Reefs, Florida backreef 532
Reefs, orientation of shells in oyster reefs ... 116
Reefs, Red Sea, cementation 816
Ripple marks, lake sediments 472
Ripple marks, oscillatory 169
River sediments, clay mineralogy 1072
Rivers, Braided, directional features 1114
Rivers, sedimentary structures, discussion 265
Roundness, grain shape 572

Sacramento Mountains, New Mexico, carbonates 837
St. Joseph Spit, Florida, sedimentation 1037
Salinity, effect on carbonate precipitation 40
Salum area, Pleistocene carbonates 70
Sand waves, comparison of grain size 1029
Sands, arkose, weathering 727
Sands, compaction of 1024
Sands, size, settling tube 583
Sands, surface textures of quartz grains 151
Sands, weathering effects, Cretaceous 363
Santa Ana River, sediments 1072
Scotland, Carboniferous carbonates 806
Scotland, New Red Sandstone 336
Scour, strudel marks, Arctic 409
Sediment Analysis, carbonate and organic matter 242
Sediment corer 928
Sediment transport, coastal 522

Sediment transport, density currents 637
Sediment transport, diurnal, beaches 1306
Sediment transport, lake sands 705
Sediment transport, measurement on beaches . 1306
Sediment transport, sand-silt in Gulf of Alaska 1061
Sediment transport, Yukon River to Bering Sea 1052
Sedimentary structures, beach rock 693
Sedimentary structures, bedforms and bars in shallow water 698
Sedimentary structures, Berthierine pellets ... 1276
Sedimentary structures, biogenic, lagoons 538
Sedimentary structures, biogenic, submarine canyons 549
Sedimentary structures, Birdseye structures .. 1252
Sedimentary structures, braided streams 1114
Sedimentary structures, Braided Rivers, discussion 265
Sedimentary structures, Callianassid burrows Mississippi area 1136
Sedimentary structures, Cambrian flysch 826
Sedimentary structures, centroclinal cross strata 1111
Sedimentary structures, cross-stratification in fluvial sediments 158
Sedimentary structures, dish and pillar 484
Sedimentary structures, gastropod trails 695
Sedimentary structures, grooves and flutes ... 181
Sedimentary structures, lake silts 472
Sedimentary structures, meandering streams .. 1114
Sedimentary structures, microborings by sponges 1122
Sedimentary structures, oscillatory ripple marks 169
Sedimentary structures, peats 716
Sedimentary structures, positive-relief bedforms in tide flats 181
Sedimentary structures, rain drop impressions 1118
Sedimentary structures, strudel marks 409
Sedimentary structures, supercritical flow 637
Sedimentation rates, lakes 207
Sediments, beaches, grain orientation 680
Sediments, Bering Sea shelf 553
Sediments, color, significance 760
Sediments, deep-sea off Antarctica 1079
Sediments, determination of organic content .. 249
Sediments, estuary, dynamics 502
Sediments, geotechnical properties 649
Sediments, Hatteras deep-sea fan 1140
Sediments, lagoonal 219
Sediments, lakes 705
Sediments, pelagic, volcanic contribution, Ordovician 287
Sediments, volcanic contributions 287
Senonian, lithification 947
Septarian veins, limestone cementation 428
Shakopee Formation, grain overgrowths 358
Shark Bay, magnesium in echinoids 60
Sharon Conglomerate, Pottsville Formation, Ohio 1187
Shelf sediments, Bering Sea 553, 1052
Shelf Sediments, glauconite, Monterey Bay .. 562
Shelf sediments, Gulf of Alaska 1061
Shelf sediments, microboring structures 1122
Shells, orientation, beaches 680
Shells, orientation in oyster reefs 116
Shells, sorting by buds 689
Sicily, magnesian calcite in limestones 54
Silicification 421
Silicification, chert nodules 885
Silts, lakes 472
Silts, marine, bulk density, and water content . 1004
Silurian, mud mounds, algal, Indiana 1249
Sinai, calcite cementation of conglomerates .. 917
Sinai, interstitial water chemistry, lagoonal sediments 1297
Sinai, lagoonal sediments 219
Skagerrak, carbonate cementation in algal nodules 7
Skewness, Folk-Ward, computation 259
Solar Church Formation, cyclic sedimentation . 872
Solution, pressure, effects in limestones 466
South Georgia Island, paleocurrents in flysch . 1167
Sphericity, grain shape 578
Sponges, boring of sediment particles 1122
Sponges, factor in producing fine carbonate material 79
Stanley Formation, flysch 328
Statistical methods, grain size of sand waves .. 1029
Statistical methods, paleocurrents 1175
Stratification, cross-, in fluvial rocks 158
Stream sediments, suspended load texture 673
Strength of sediments, calcrete 1016
Strength of sediments, water content, bulk density 1004
Stromatolites, Florida Backreef 532
Strontium 93
Strudel marks, Arctic 409
Submarine canyons, bioturbation 549
Submarine canyons, Hatteras deep-sea fan 1140
Submarine cementation 816
Submarine fans, Hatteras deep-sea fan 1140
Subtidal, algal structures 532
Supercritical flow, density currents 637
Supratidal carbonates, Nevada 783
Surface textures, first cycle quartz grains 151
Surface textures, heavy minerals 1282
Surface textures, Shakopee Formation 358
Suspended matter, clay mineralogy 254
Suspended matter, components, surface waters 1087
Suspended matter, streams, textures 673
Suspended matter, surface waters, Northeastern Atlantic 1087
Swamp sediments, peats 716

Tennessee, Chilhowee Group, petrology 228
Texas, chert 1262

Texture, classification 985
Texture, coarse sediments 939
Texture, deficiencies of some grain sizes 985
Texture, estuary sediments 502
Texture, Gulf of Alaska 1061
Texture, parameters 259
Texture, sand shoals 1037
Texture, sand waves 1029
Texture, sands, settling tube method 583
Texture, shelf sediments 1052
Texture, suspended matter in streams 673
Texture of sandstones, Nubia sandstone 136
Tidal flats, compaction of sands 1024
Tidal flats, effects of gastropods on mud cracks 695
Tidal flats, positive-relief bedforms 181
Tracers, detrital quartz 145
Triassic, dolomites, supratidal facies 783
Turbidity currents, flow regimes 637
Tyrrhenian Sea, magnesian calcite 1313
Tyrrhenian Sea, magnesian calcite 955

Utah, Cutler Formation 292
Utah, Great Salt Lake, ooids 30

Vancouver Island, Wreck Bay, shape 1155
Virginia, Mechum River Formation, alluvial sedimentation 862
Volcanism, contribution to Ordovician sediments 287

Water content, marine silts and clays 1004
Water content, use of nuclear transmission densitometry 1010
Wave conditions, from ripple marks 169
Waves, effects on bay sediments structures .. 698
Weathering, Arkosic sands 727
Western Australia, magnesium in echinoids .. 60
Wisconsin, beach morphology and sedimentology 190
Wreck Bay, shape 1155

Yukon River, sediments on Bering Sea shelf .. 1052

AUTHOR INDEX TO VOLUME 44

ALAIMO, R. Magnesian calcite nucleation in ancient dolomitized limestones of western Sicily 1 54
ALEXANDERSSON, T. Carbonate cementation in coralline algal nodules in the Skagerrack, North Sea: biochemical precipitation in undersaturated waters 1 7
AL-HASHIMI, W. S. Recent dedolomitization and the origin of the rusty crusts of Northumberland: A reply 1 271
ALLEN, E. A. Biogenic Sedimentary Structures Produced by Crabs in Lagoon Margin and Salt Marsh Environments Near Beaufort, North Carolina 2 538
ALLWARDT, A. O. The Occurrence of Glauconite in Monterey Bay, California, Diversity, Origins, and Sedimentary Environmental Significance 2 562
AMADOR, E. S. Note on weathered arkosic beds 3 727
AMIEL, A. J. Submarine cementation in reefs: example from the Red Sea 3 816
ANDERSON, T. W. Sedimentation rates and recent sediment history of lakes Ontario, Erie and Huron 1 207
AUSTIN, G. S. Multiple Overgrowths on Detrital Quartz Sand Grains in the Shakopee Formation (Lower Ordovician) of Minnesota 2 358

BALDWIN, C. T. The control of mud crack patterns by small gastropod trails 3 695
BANKS, N. L. Discussion of "some sedimentological aspects of planar cross-stratification in a sandy braided river" 1 265
BENCINI, A. Mn distribution in the Mesozoic carbonate rocks from Lima Valley, northern Apennines 3 774
BENSON, L. V. Transformation of a polyphase assemblage into a single phase rock: a chemical approach 1 123
BISHARA, W. W. Grain-size parameters and paleoenvironments of the Nubia Sandstone 1 136
BLATT, H. Prophylactic separation of heavy minerals 1 260
BOGOCH, R. Calcite cementation of a quaternary conglomerate in southern Sinai 3 917
BREMNER, J. M. On the planimetric shape of Wreck Bay, Vancouver Island 4 1155
BROCK, E. J. Coarse sediment morphometry: a comparative study 3 663
BROWN, V. M. Prophylactic separation of heavy minerals 1 260
BURMAN, H. R. Directional features in braided-meandering-stream deposits Cimarron River, North-central Oklahoma 4 1114

CARTER, R. W. G. Feeding sea birds as a factor in lamellibranch valve sorting patterns 3 689
CHAUVEL, J. J. Facies Types and Depositional Environment of the Sokoman Iron Formation, Central Labrador Trough, Quebec, Canada 2 299
CHOWNS, T. M. The origin of quartz geodes and cauliflower cherts through the silicification of anhydrite nodules 3 885
CLEARY, W. J. Hatteras Deep-sea Fan 4 1140
COHEN, A. D. Petrography and paleoecology of Holocene peats from the Okefenokee swamp-marsh complex of Georgia 3 716
COLLINSON, J. D. Discussion of "some sedimentological aspects of planar cross-stratification in a sandy braided river" 1 265
CONOLLY, J. R. Hatteras Deep-sea Fan 4 1140
COOGAN, A. H. Bulk Volume Reduction and Pressure-Solution Derived Cement 2 466
COOGAN, A. H. Depositional environment of the Sharon Conglomerate member of the Pottsville Formation in northeastern Ohio 4 1186
COOK, P. Calcite cementation of a quaternary conglomerate in southern Sinai 3 917

CORON, C. R. Non-calcareous algae in Silurian carbonate mud mound, Indiana 4 1248
CREAGER, J. S. Heavy Minerals of the East-Central Bering Sea Continental Shelf 2 553
CROFTS, R. S. A visual measure of shingle particle form for use in the field 3 931
CUNNINGHAM, R. W. Coastal Processes and Depositional Patterns on Cape Ann, Massachusetts 2 522
CURRAN, H. A. Biogenic Sedimentary Structures Produced by Crabs in Lagoon Margin and Salt Marsh Environments Near Beaufort, North Carolina 2 538

DAVIDSON-ARNOTT, R. G. D. Bedforms and structures associated with bar topography in the shallow-water wave environment, Kouchibouguac Bay, New Brunswick, Canada 3 698
DAVIES, G. R. Magnesium distribution in living and fossil specimens of the echinoid *Peronella lesueuri* Agassiz, Shark Bay, Western Australia 1 60
DAVIES, I. C. Transport and deposition of resedimented conglomerates: the Cap Enrage Formation, Cambro-Ordovician, Gaspé, Quebec 4 1200
DEAN, W. E. JR. Determination of carbonate and organic matter in calcareous sediments and sedimentary rocks by loss on ignition: Comparison with other methods 1 242
DEMOVIC, R. Strontium as a tool in facies analysis 1 93
DeWINDT, J. T. Callianassid burrows as indicators of subsurface beach trend, Mississippi River delta plain 4 1136
DIMROTH, E. Facies Types and Depositional Environment of the Sokoman Iron Formation, Central Labrador Trough, Quebec, Canada 2 299
DONOVAN, R. N. The vertical packing of shells and stones on some Recent beaches 3 680
DOTT, R. H. JR. Paleocurrent analysis of severely deformed flysch-type strata—a case study from South Georgia Island 4 1166
DUFF, P. McL. D. Carbonate facies in the Lower Carboniferous (Visean) of St. Monance, East Fife, Scotland 3 806
DZWILEWSKI, P. T. Geotechnical properties of the Golfo San Matías, Argentina 3 649

EASTON, W. H. An unusual inclusion in beachrock 3 693
EDGERTON, H. E. Time-Lapse Photography of the Biological Reworking of Sediments in Hudson Submarine Canyon 2 549
EDWARDS, B. D. Distribution of microborings within continental margin sediments of the southeastern United States 4 1122
EHRLICH, R. Detrital quartz as a natural tracer-Fourier grain shape analysis 1 145
ELKINS, J. E. The origin of quartz geodes and cauliflower cherts through the silicification of anhydrite nodules 3 885
EMERY, K. O. Suspended matter and other properties of surface waters of the northeastern Atlantic Ocean 4 1087
ENGSTROM, W. N. Beach foreshore sedimentology and morphology in the Apostle Islands of northern Wisconsin 1 190

FÆHRÆUS, L. E. Origin of carbonate pseudopellets 1 27
FAN, P.-F. Clays and clay minerals of the Santa Ana River drainage basin, California 4 1072
FLIGHT, W. R. An inexpensive titration method for the determination of organic carbon in recent sediments 1 249
FOLGER, D. W. An inexpensive titration method for the determination of organic carbon in recent sediments 1 249
FOLK, R. L. The natural history of crystalline calcium carbonate: effect of magnesium content and salinity 1 40
FOX, W. T. Coastal Processes and Depositional Patterns on Cape Ann, Massachusetts 2 522

FREDERICK, D. The magnetic fabric of samples from the deep sea drilling project, Legs I–VI 3 655
FRIEDMAN, G. M. Positive-relief bedforms on modern tidal flat that resemble molds of flutes and grooves; Implications for geopetal criteria and for origin and classification of bedforms 1 181
FRIEDMAN, G. M. Submarine cementation in reefs: example from the Red Sea 3 816
FROST, J. G. Subtidal Algal Stromatolites from the Florida Backreef Environment 2 532
FÜTTERER, D. K. Significance of the boring sponge *Cliona* for the origin of fine grained material of carbonate sediments 1 79

GAUDETTE, H. E. An inexpensive titration method for the determination of organic carbon in recent sediments 1 249
GHENT, E. D. Magnesium distribution in living and fossil specimens of the echinoid *Peronella lesueuri* Agassiz, Shark Bay, Western Australia 1 60
GIBBS, R. J. A Settling Tube System for Sand-Size Analysis 2 538
GREENWOOD, B. Bedforms and structures associated with bar topography in the shallow-water wave environment, Kouchibouguac Bay, New Brunswick, Canada 3 698
GRIGGS, G. B. The Occurrence of Glauconite in Monterey Bay, California, Diversity, Origins, and Sedimentary Environmental Significance 2 562
GRINNELL, R. S. JR. Vertical orientation of shells on some Florida oyster reefs 1 116
GUSTAVSON, T. C. Sedimentation on Gravel Outwash Fans, Malaspina Glacier Foreland, Alaska 2 374

HAND, B. M. Supercritical flow in density currents 3 637
HARRIS, C. R. A quantitative study of compaction with depth in a vesicular sand layer in an intertidal area of Dublin Bay, Ireland 4 1024
HEALD, M. T. Influence of coatings on quartz cementation 4 1269
HEIN, J. R. The Occurrence of Glauconite in Monterey Bay, California, Diversity, Origins, and Sedimentary Environmental Significance 2 562
HEIN, J. R. Petrography and diagenesis of Franciscan Limestones 4 1217
HEMINGWAY, J. E. Recent dedolomitization and the origin of the rusty crusts of Northumberland: A reply 1 271
HESTER, N. C. Post-Depositional Subaerial Weathering Effects on the Mineralogy of an Upper Cretaceous Sand in Southeastern United States 2 363
HIGH, L. R. JR. Reliability of cross-stratification types as paleocurrent indicators in fluvial rocks 1 158
HIRST, T. J. Bulk density-water content relationship in marine silts and clays 4 1004
HOPKINS, D. M. Yukon River sediment on the northwesternmost Bering Sea shelf 4 1052
HOWARD, J. D. Dynamic Relationship Between Hydraulics and Sedimentation in the Altamaha Estuary 2 502
HULBURT, E. M. Suspended matter and other properties of the surface waters of the northeastern Atlantic Ocean 4 1087
HUTKA, J. Particle-size measurements by Coulter Counter of very small deposits and low suspended sediment concentrations in streams 3 673

IBBEKEN, H. A simple sieving and splitting device for field analysis of coarse grained sediments 3 939
INGERSOLL, R. V. Surface textures of first cycle quartz sand grains 1 151
IRELAND, H. A. Query: Orthoquartzite ? ? ? ? 1 264

JACKA, A. D. Differential cementation of a Pleistocene carbonate fanglomerate, Guadalupe Mountains 1 85
JACKA, A. D. Replacement of Fossils by Length-Slow Chalcedony and Associated Dolomitization 2 421

JACOBS, M. B. Clay mineral changes in Antarctic deep-sea sediments and Cenozoic climatic events 4 1079
JOHNSON, D. B. Origin and diagenesis of calcitic and hematitic nodules in the Jordan sandstone of northeast Iowa 3 790
JOHNSON, R. G. Methods for staining organic matter in marine sediments 4 1310

KAHLE, C. F. Ooids from Great Salt Lake, Utah as an analog for the genesis and diagenesis of ooids in marine limestones 1 30
KELLER, G. Time-Lapse Photography of the Biological Reworking of Sediments in Hudson Submarine Canyon 2 549
KEMP, A. L. W. Sedimentation rates and recent sedimentary history of Lakes Ontario, Erie and Huron 1 207
KEPPER, J. C. Origin of massive banded carbonates with "Bluebird structures" in the Cambrian of the eastern Great Basin 4 1251
KINSMAN, D. J. J. Aragonitic and high-Mg calcite caliche from the Persian Gulf—a modern analog for the Permian of Texas and New Mexico 3 904
KNEBEL, H. J. Heavy Minerals of the East-Central Bering Sea Continental Shelf 2 553
KOMAR, P. D. Oscillatory ripple marks and the evaluation of ancient wave conditions and environments 1 169

LAJOIE, J. Sedimentary structures in resedimented conglomerate of the Cambrian Flysch, L'Islet, Quebec Appalachians 3 826
LAMBERT, W. Centroclinal cross strata, a distinctive sedimentary structure 4 1111
LARESE, R. E. Influence of coatings on quartz cementation 4 1269
LeBLOND, P. H. On the planimetric shape of Wreck Bay, Vancouver Island 4 1155
LEIKINE, M. Metamorphosed Berthierine pellets in mid-Cretaceous rocks from northeastern Algeria 4 1275
LEONE, M. Magnesian calcite nucleation in ancient dolomitized limestones of western Sicily 1 54
LEPPLE, F. Suspended matter and other properties of surface waters of the northwestern Atlantic Ocean 4 1087
LEVY, Y. Sedimentary reflection of depositional environment in the Bardawil Lagoon, northern Sinai 1 219
LEVY, Y. Chemical changes in interstitial water from the Bardawil Lagoon, northern Sinai 4 1296
LEWIS, T. L. Sand dispersal in eastern and southern Lake Ontario 3 705
LIN, I. J. Surface microtextures of heavy minerals from the Mediterranean coast of Israel 4 1281
LINDHOLM, R. C. Fabric and Chemistry of Pore Filling Calcite in Septarian Veins: Models for Limestone Cementation 2 428
LINDSTROM, M. Volcanic Contribution to Ordovician Pelagic Sediments 2 287
LoPICCOLO, R. D. The Characteristics and Origins of Dish and Pillar Structures 2 484
LOWE, D. R. The Characteristics and Origins of Dish and Pillar Structures 2 484
LUDWICK, J. C. Application of multiple comparisons to grain size on sandwaves 4 1029
LUMSDEN, D. N. Relationships Among Insoluble Residue, Dolostone and Limestone Facies 2 450

MAGARITZ, M. Lithification of chalky limestone: a case study in Senonian rocks from Israel 3 947
MARLOW, M. S. Discussion of: Mixed Depositional Environments in the Franciscan Geosynclinal Assemblage: by Vincent Matthews III and Daniel Wachs, Jour. Sed. Petrology, v. 43, p. 516–517 2 591
MATTHEWS, R. K. Origin and Significance of grapestone, Bahama Islands 3 921
MacILVANE, J. Time-lapse photography of the biological reworking of sediments in Hudson Submarine Canyon 2 549

MACQUEEN, R. W. Magnesium distribution in living and fossil specimens of the echinoid *Peronella lesueuri* Agassiz Shark Bay, Western Australia 1 60
McBRIDE, E. F. Significance of color in red, green, purple, olive, brown, and gray beds of Difunta Group, northeastern Mexico 3 760
McGRATH, D. G. Submarine strain-gage instrumentation for monitoring diurnal beach sediment migration 4 1305
McMANUS, D. A. Yukon River sediment on the northwesternmost Bering Sea shelf 4 1052
McMANUS, R. W. Bulk Volume Reduction and Pressure-Solution Derived Cement 2 466
McMURTRY, G. M. Clays and clay minerals of the Santa Ana River drainage basin, California 4 1072
MEYERS, P. V. Theory of nuclear transmission densitometry applied to sedimentology and geotechnology 4 1010
MEYERS, W. J. Carbonate cement stratigraphy of the Lake Valley Formation (Mississippian) Sacramento Mountains, New Mexico 3 837
MIALL, A. D. Paleocurrent analysis of alluvial sediments: a discussion of directional variance and vector magnitude 4 1174
MIDDLETON, G. V. Citation patterns of papers published in the Journal of Sedimentary Petrology 1 3
MOLINA, B. F. A Rapid and Accurate Method for the Analysis of Calcium Carbonate in Small Samples 2 589
MOREY, G. B. Cyclic sedimentation of the Solor Church Formation (Upper Precambrian, Keweenawan) southeastern Minnesota 3 872
MOREY, G. B. A Modified dip-direction indicator 3 935
MOUSINHO, M. R. Note on weathered arkosic beds 3 727
MOUSSA, M. T. Rain-drop impressions 4 1118
MRAKOVICH, J. V. Depositional environment of the Sharon Conglomerate member of the Pottsville Formation in northeastern Ohio 4 1186
MUDROCHOVA, A. Sedimentation rates and recent sediment history of lakes Ontario, Erie and Huron 1 207

NAMY, J. N. Origin of a Lower Pennsylvanian depositional cycle 3 795
NAMY, J. N. Early diagenetic chert in the Marble Falls Group (Pennsylvanian) of central Texas 4 1262
NASR, N. Grain-size parameters and paleoenvironments of the Nubia Sandstone 1 136
NELSON, C. H. Yukon River sediment on the northwesternmost Bering Sea shelf 4 1052
NICHOLS, K. M. Coextensive supratidal dolomite and underlying secondary dolomite in the Triassic of north-central Nevada 3 783
NIEM, A. R. Distribution and Extent of Beds in Flysch Deposits, Ouachita Mountains, Arkansas and Oklahoma 2 328
NOBLE, R. L. Directional features in braided-meandering-stream deposits, Cimarron River, North-central Oklahoma 4 1114
NOWLAN, G. S. Origin of carbonate pseudopellets 1 27

OMARA, S. Grain-size parameters and paleoenvironments of the Nubia Sandstone 1 136
ORZECK, J. J. Detrital quartz as a natural tracer-Fourier grain shape analysis 1 145
OWENS, J. P. Chemical, Mineralogic, and Palynologic Character of the Upper Wisconsinan-Lower Holocene Fill in Parts of Hudson, Delaware, and Chesapeake Estuaries 2 390

PARKS, J. M. Bulk density-water content relationship in marine silts and clays 4 1004
PERKINS, R. D. Distribution of microborings within continental margin sediments of the southeastern United States 4 1122
PICARD, M. D. Reliability of cross-stratification types as paleocurrent indicators in fluvial rocks 1 158

PICARD, M. D. Petrology of carbonate rocks of the Green River Formation (Eocene) 3 138
PICHA, F. Distribution and Extent of Beds in Flysch Deposits, Ouachita Mountains, Arkansas and Oklahoma 2 328
PIPER, D. J. W. Sand-silt petrology and sediment dispersal in the Gulf of Alaska 4 1061
POPLE, W. Suspended matter and other properties of the surface waters of the northeastern Atlantic Ocean 4 1087

RAOULT, J.-F. Metamorphosed Berthierine pellets in mid-Cretaceous rocks from northeastern Algeria 4 1275
REES, A. I. The magnetic fabric of samples from the deep sea drilling project, Legs I–VI 3 655
REIMNITZ, E. Strudel Scour: A Unique Arctic Marine Geologic Phenomenon 2 409
RICHARDS, A. F. Geotechnical properties of the Golfo San Matías, Argentina 3 649
RICHARDS, A. F. Bulk density-water content relationships in marine silts and clays 4 1004
RICHARDS, A. F. Theory of nuclear transmission densitometry applied to sedimentology and geotechnology 4 1010
RIOUX, R. H. Suspended matter and other properties of the surface waters of the northeastern Atlantic Ocean 4 1087
ROBERSON, H. E. Early Diagenesis: Expansible Soil Clay-Sea Water Reactions 2 441
ROCHELEAU, M. Sedimentary structures in resedimented conglomerate of the Cambrian Flysch, L'Islet, Quebec Appalachians 3 826
RODEICK, C. A. Strudel Scour: A Unique Arctic Marine Geologic Phenomenon 2 409
ROHRLICH, V. Surface microtextures of heavy minerals from the Mediterranean coast of Israel 4 1281
RUNNELLS, D. D. Discussion of recent dedolomitization and the origin of the rusty crusts of Northumberland: by W. S. Al-Hashimi and J. E. Hemingway, Jour. Sed. Petrology, v. 43, No. 1, p. 82–91 1 270

SACHS, H. M. Use of the camera lucida to directly label photomicrograph negatives 1 262
SAHU, B. K. Determination of Average Grain Sphericity in Granular Porous Media 2 578
SANDERS, J. E. Positive-relief bedforms on modern tidal flat that resemble molds of flutes and grooves; Implications for geopetal criteria and for origin and classification of bedforms 1 181
SANDERSON, D. J. The vertical packing of shells and stones on some Recent beaches 3 680
SARTORI, R. Modern deep-sea magnesian calcite in the central Tyrrhenian Sea 3 955
SARTORI, R. Modern deep-sea magnesian calcite in the central Tyrrhenian Sea 4 1313
SCHEIMER, E. W. The CBI Pogo Stick Corer 3 936
SCHNEIDERMANN, N. Submarine cementation in reefs: example from the Red Sea 3 816
SCHOLL, D. W. Discussion of: Mixed Depositional Environments in the Franciscan Geosynclinal Assemblage: by Vincent Matthews III and Daniel Wachs, Jour. Sed. Petrology, v. 43, p. 516–517 2 591
SCHOLLE, P. A. Aragonitic and high-Mg calcite caliche from the Persian Gulf—a modern analog for the Permian of Texas and New Mexico 3 904
SCHUBEL, J. R. The CBI Pogo Stick Corer 3 936
SCHWAB, F. L. Mechum River Formation: Late Precambrian (?) alluvium in the Blue Ridge province of Virginia 3 862
SELIM, A. A. Origin and lithification of the Pleistocene carbonates of the Salum area, western coastal plain of Egypt 1 70
SELIM, A. A. Carbonate facies in the Lower Carboniferous (Visean) of St. Monance, East Fife, Scotland 3 806

SHEA, J. H. Deficiencies of clastic particles of certain sizes 4 985
SHELTON, J. W. Directional features in braided-meandering-stream deposits, Cimarron River, North-central Oklahoma 4 1114
SHIDELER, G. L. Submarine strain-gage instrumentation for monitoring diurnal beach sediment migration 4 1305
SINGER, S. Vertical variation in strength and porosity of calcrete (nari) on chalk, Shefela, Israel and interpretation of its origin 4 1016
SIRKIN, L. A. Chemical, Mineralogic, and Palynologic Character of the Upper Wisconsinan-Lower Holocene Fill in Parts of Hudson, Delaware, and Chesapeake Estuaries 2 390
SLATKINE, A. Surface microtextures of heavy minerals from the Mediterranean coast of Israel 4 1281
SLATT, R. M. Origin of carbonate pseudopellets 1 27
SLATT, R. M. Sand-silt petrology and sediment dispersal in the Gulf of Alaska 4 1061
SMITH, N. D. Some sedimentological aspects of planar cross-stratification in a sandy braided river: A reply to N. L. Banks and J. D. Collinson 1 267
STANLEY, K. O. Morphology and Hydraulic Significance of Climbing Ripples with Superimposed Micro-Ripple-Drift Cross-Lamination in Lower Quaternary Lake Silts, Nebraska 2 472
STARESINIC, N. Time-Lapse Photography of the Biological Reworking of Sediments in Hudson Submarine Canyon 2 549
STAUBLE, D. K. The bathymetry and sedimentation of Cape San Blas shoal and shelf off St. Joseph spit, Florida 4 1037
STEEL, R. J. New Red Sandstone Floodplain and Piedmont Sedimentation in the Hebridean Province, Scotland 2 336
STEFANSSON, K. Chemical, Mineralogic, and Palynologic Character of the Upper Wisconsinan-Lower Holocene Fill in Parts of Hudson, Delaware, and Chesapeake Estuaries 2 390
SUTTON, R. G. Sand dispersal in eastern and southern Lake Ontario 3 705
SUTTON, R. G. An inexpensive hand-operated sediment corer 3 928
SWAN, B. Measures of Particle Roundness: A Note 2 572
SWETT, K. Origin and diagenesis of calcitic and hematitic nodules in the Jordan sandstone of northeast Iowa 3 790

TERLECKY, P. M. JR. The Origin of a Late Pleistocene and Holocene Marl Deposit 2 456
TEXTORIS, D. A. Non-calcareous algae in Silurian carbonate mud mound, Indiana 4 1248
THOMAS, R. L. Sedimentation rates and recent sediment history of lakes Ontario, Erie and Huron 1 207
TONER, L. An inexpensive titration method for the determination of organic carbon in recent sediments 1 249
TONER, L. Suspended matter and other properties of surface waters of the northeastern Atlantic Ocean 4 1087
TUCHOLKE, B. E. Determination of montmorillonite in small samples and implications for suspended-matter studies 1 254
TURI, A. Mn distribution in the Mesozoic carbonate rocks from Lima Valley, northern Apennines 3 774

UCHUPI, E. Suspended matter and other properties of the northeastern Atlantic Ocean 4 1087
UNDERWOOD, J. R. JR. Centroclinal cross strata, a distinctive sedimentary structure 4 1111

Van SCIVER, W. J. Theory of nuclear transmission densitometry applied to sedimentology and geotechnology 4 1010
VEIZER, J. Strontium as a tool in facies analysis 1 93

VELDE, B. Metamorphosed Berthierine pellets in mid-Cretaceous rocks from northeastern Algeria 4 1275
VENKATARATHNAM, K. Yukon River sediment on the northwesternmost Bering Sea shelf 4 1052
VISHER, G. S. Dynamic Relationship Between Hydraulics and Sedimentation in the Altamaha Estuary 2 502

WACHS, D. Petrography and diagenesis of Franciscan limestones 4 1217
WALKDEN, G. M. Paleokarstic surfaces in upper Visean (Carboniferous) limestones of the Derbyshire block, England 4 1232
WALKER, P. H. Particle-size measurements by Coulter Counter of very small deposits and low suspended sediment concentrations in streams 3 673
WALKER, R. G. Transport and deposition of resedimented conglomerates: the Cap Enrage Formation, Cambro-Ordovician Gaspé, Quebec 4 1200
WARNKE, D. A. The bathymetry and sedimentation of Cape San Blas shoal and shelf off St. Joseph spit, Florida 4 1037
WARREN, G. Simplified form of the Folk-Ward skewness parameter 1 259
WEINBERG, B. Detrital quartz as a natural tracer-Fourier grain shape analysis 1 145
WELLS, J. T. Application of multiple comparisons to grain size on sand waves 4 1029
WERNER, W. G. Petrology of the Cutler Formation (Pennsylvanian-Permian) Near Gateway, Colorado, and Fisher Towers, Utah 2 292
WHISONANT, R. C. Petrology of the Chilhowee Group (Cambrian and Cambrian (?)) in central-eastern and southern Tennessee 1 228
WHITLATCH, R. B. Methods for staining organic matter in marine sediments 4 1310
WILLIAMSON, C. R. Petrology of carbonate rocks of the Green River Formation (Eocene) 3 738
WINLAND, H. D. Origin and Significance of grapestone, Bahama Islands 3 921
WOLF, S. C. Strudel Scour: A Unique Arctic Marine Geologic Phenomenon 2 409
WOODROW, D. L. Sand dispersal in eastern and southern Lake Ontario 3 705
WOODYER, K. D. Particle-size measurements by Coulter Counter of very small deposits and low suspended sediment concentrations in streams 3 673

YAALON, D. H. Vertical variation in strength and porosity of calcrete (nari) on chalk, Shefela, Israel and interpretation of its origin 4 1016